

July 19, 2011

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Received & Inspected

JUL 25 2011

FCC Mail Room

Dear Chairman Genachowski:

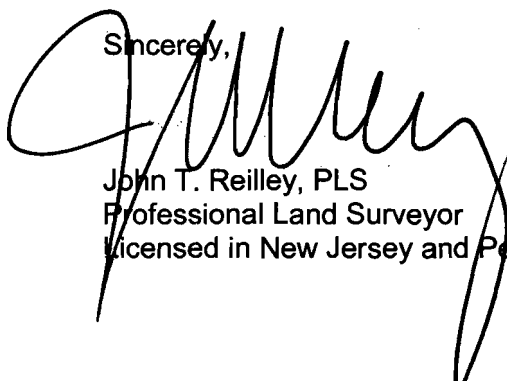
As a licensed Professional Land Surveyor in New Jersey, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for New Jersey, but also for the United States as a whole. The members of the New Jersey Society of Professional Land Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,


John T. Reilley, PLS
Professional Land Surveyor
Licensed in New Jersey and Pennsylvania

No. of Copies rec'd 0
List A B C D E

State of Kansas

Senate Chamber



ANTHONY HENSLEY
STATE SENATOR, NINETEENTH DISTRICT
SHAWNEE, DOUGLAS & OSAGE COUNTIES

HOME ADDRESS:
2226 S.E. VIRGINIA AVENUE
TOPEKA, KANSAS 66605-1357
(785) 232-1944—HOME

E-MAIL
ANTHONY.HENSLEY@SENATE.KS.GOV

Office of Democratic Leader

STATE CAPITOL, ROOM 345-S
TOPEKA, KANSAS 66612
(785) 296-3245
FAX (785) 296-0103

COMMITTEE ASSIGNMENTS

VICE-CHAIRMAN: CONFIRMATION OVERSIGHT
RANKING MINORITY MEMBER: EDUCATION
INTERSTATE COOPERATION
MEMBER: LABOR EDUCATION CENTER
ADVISORY COUNCIL
LEGISLATIVE COORDINATING
COUNCIL
LEGISLATIVE POST AUDIT
STATE FINANCE COUNCIL
WORKERS COMPENSATION
FUND OVERSIGHT
PENSIONS, INVESTMENTS
AND BENEFITS
TRANSPORTATION
ASSESSMENT AND TAXATION
LEGISLATIVE HOTLINES
1-800-432-3924
TTY (785) 296-8430

11-109

July 19, 2011

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: Comment Deadlines Established Regarding the LightSquared Technical Working
Group Report, IB Docket No. 11-109

Received & Inspected

JUL 25 2011

FCC Mail Room

Dear Ms. Dortch:

On May 22, 2011, a deadly storm devastated the town of Reading, Kansas. Natural disasters like this remind us why emergency responders need the best technological resources available to protect life and property. Wholesale provider LightSquared's proposed new wireless broadband network will provide that technology, which is why I am writing in support of them.

Our firefighters, EMTs, police officers and other emergency providers must be able to communicate with each other during times of crisis. When Hurricane Katrina wreaked havoc on the Gulf Coast, I know that FEMA and state officials in Louisiana relied on LightSquared's satellite communication technology to coordinate rescue and rebuilding efforts when ground-based telecom networks were inoperable.

In addition to communication technology, LightSquared will be the first to bring high-speed Internet to wireless devices in many rural areas as well as much-needed investment in the U.S. economy through the creation of 15,000 jobs a year during the build-out of its network.

The best way to handle a disaster is by preparing for it ahead of time. A state-of-the-art wireless broadband system like LightSquared's could be of enormous help the next time an unforeseen crisis hits Kansas or other parts of the nation including Tuscaloosa, Alabama or Joplin, Missouri.

I urge the Commission to resolve any outstanding technical issues and support LightSquared's deployment.

Sincerely,

Anthony Hensley
Kansas Senate Democratic Leader

No. of Copies rec'd 0
List A B C D E

RIGG ASSOCIATES, P.A.

ENGINEERS * SURVEYORS * PLANNERS

1000 Maple Avenue, Glen Rock, N.J. 07452

Tel. (201) 445-0053 Fax (201) 445-6526

E-mail: info@riggassociates.com

www.RiggAssociates.com

Received & Inspected

JUL 25 2011

FCC Mail Room

11-109

July 20, 2011

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

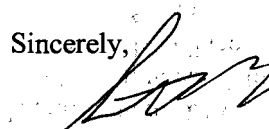
As a licensed Professional Land Surveyor in New Jersey, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

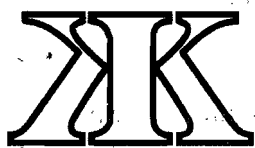
This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for New Jersey, but also for the United States as a whole. The members of the New Jersey Society of Professional Land Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,


Stephen D. Rigg, P. L. S.
N.J. Lic. No. GS43263

No. of Copies rec'd 0

UsiA CODE



CONSULTING ENGINEERS • SURVEYORS • PLANNERS • LANDSCAPE ARCHITECTS

11-109

Keller & Kirkpatrick, Inc.

Robert C. Kirkpatrick, P.E., L.S., P.P., Founder
Matthew L. Martini, P.L.S., P.P., President

Robert E. Bratt, P.E., P.P.
Arthur J. Elias, P.E., P.P.
Edward J. Formichella, P.L.S., P.P.
George P. James, P.E., P.P.

Werner A. Mail, P.L.S.
Michael J. Manning, P.L.S., P.P.
James K. McCormick, P.L.S., P.P.
Timothy J. McDonald, P.L.S.

Donald A. Scott, Jr., P.E., P.P.
Paul M. Szmajda, C.L.A.
William E. Thomas, P.L.S., P.P.

July 19, 2011

Received & Inspected

JUL 25 2011

FCC Mail Room

Mr. Julius Genachowski, Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

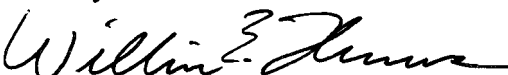
As a licensed Professional Land Surveyor in New Jersey, I must express serious concerns regarding the Federal Communications Commission ("FCC") granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System ("GPS") receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

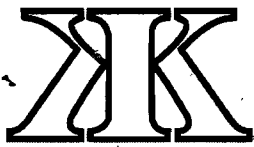
This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for New Jersey, but also for the United States as a whole. The members of the New Jersey Society of Professional Land Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,


William E. Thomas, P.L.S.

Mailing Address: 301 Gibraltar Drive, Suite 2A, Morris Plains, NJ 07950-3409
Tel: (973) 377-8500 • Fax: (973) 887-0925 • Web: www.kellkirk.com

No. of Copies Rec'd 1
List A B C D E



CONSULTING ENGINEERS • SURVEYORS • PLANNERS • LANDSCAPE ARCHITECTS

11-109

Keller & Kirkpatrick, Inc.

Robert C. Kirkpatrick, P.E., L.S., P.P., Founder
Matthew L. Martini, P.L.S., P.P., President

Robert E. Bratt, P.E., P.P.

Arthur J. Elias, P.E., P.P.

Edward J. Formichella, P.L.S., P.P.

George P. James, P.E., P.P.

Werner A. Mall, P.L.S.

Michael J. Manning, P.L.S., P.P.

James K. McCormick, P.L.S., P.P.

Timothy J. McDonald, P.L.S.

Donald A. Scott, Jr., P.E., P.P.

Paul M. Szmajda, C.L.A.

William E. Thomas, P.L.S., P.P.

July 19, 2011

Received & Inspected

JUL 25 2011

FCC Mail Room

Mr. Julius Genachowski, Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in New Jersey, I must express serious concerns regarding the Federal Communications Commission ("FCC") granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System ("GPS") receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for New Jersey, but also for the United States as a whole. The members of the New Jersey Society of Professional Land Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,


Werner A. Mall, P.L.S.

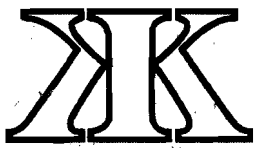
Mailing Address: 301 Gibraltar Drive, Suite 2A, Morris Plains, NJ 07950-3409

Tel: (973) 377-8500 • Fax: (973) 887-0925 • Web: www.kellkirk.com

No. of Copies rec'd

List A B C D E

0



CONSULTING ENGINEERS • SURVEYORS • PLANNERS • LANDSCAPE ARCHITECTS

11-109

Keller & Kirkpatrick, Inc.

Robert C. Kirkpatrick, P.E., L.S., P.P., Founder
Matthew L. Martini, P.L.S., P.P., President

Robert E. Bratt, P.E., P.P.
Arthur J. Elias, P.E., P.P.
Edward J. Formichella, P.L.S., P.P.
George P. James, P.E., P.P.

Werner A. Mall, P.L.S.
Michael J. Manning, P.L.S., P.P.
James K. McCormick, P.L.S., P.P.
Timothy J. McDonald, P.L.S.

Donald A. Scott, Jr., P.E., P.P.
Paul M. Szmajda, C.L.A.
William E. Thomas, P.L.S., P.P.

July 19, 2011

Received & Inspected

JUL 25 2011

FCC Mail Room

Mr. Julius Genachowski, Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

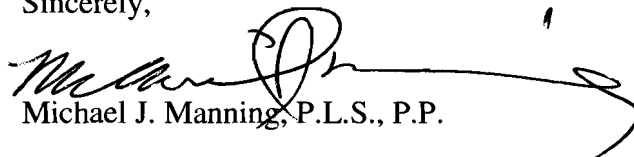
As a licensed Professional Land Surveyor in New Jersey, I must express serious concerns regarding the Federal Communications Commission ("FCC") granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System ("GPS") receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for New Jersey, but also for the United States as a whole. The members of the New Jersey Society of Professional Land Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,


Michael J. Manning, P.L.S., P.P.

Mailing Address: 301 Gibraltar Drive, Suite 2A, Morris Plains, NJ 07950-3409
Tel: (973) 377-8500 • Fax: (973) 887-0925 • Web: www.kellkirk.com

No. of Copies 1003
List A B C D E

JUL 25 2011

FCC Mail Room

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

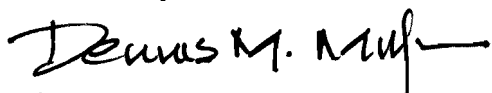
As a licensed Professional Land Surveyor in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Maryland, but also for the United States as a whole. The members of the Maryland Society of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,



(Dennis M. Miller - Property Line Surveyor No. 579)

No. of Copies 0
LSIAB00E

11-109

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Received & Inspected

JUL 25 2011

FCC Mail Room

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in New Jersey, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

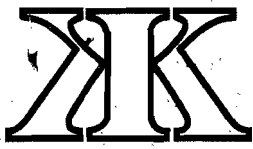
This situation has the potential of becoming a tremendous public safety issue and an economic disaster not only for New Jersey, but also for the United States as a whole. The members of the New Jersey Society of Professional Land Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,


Joseph E. Romano, P.L.S.

No. of Copies Rec'd 0

151A50DE



CONSULTING ENGINEERS • SURVEYORS • PLANNERS • LANDSCAPE ARCHITECTS

11-109

Keller & Kirkpatrick, Inc.

Robert C. Kirkpatrick, P.E., L.S., P.P., Founder
Matthew L. Martini, P.L.S., P.P., President

Robert E. Bratt, P.E., P.P.
Arthur J. Elias, P.E., P.P.
Edward J. Formichella, P.L.S., P.P.
George P. James, P.E., P.P.

Werner A. Mall, P.L.S.
Michael J. Manning, P.L.S., P.P.
James K. McCormick, P.L.S., P.P.
Timothy J. McDonald, P.L.S.

Donald A. Scott, Jr., P.E., P.P.
Paul M. Szmaida, C.L.A.
William E. Thomas, P.L.S., P.P.

July 19, 2011

Received & Inspected

JUL 25 2011

FCC Mail Room

Mr. Julius Genachowski, Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in New Jersey, I must express serious concerns regarding the Federal Communications Commission ("FCC") granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System ("GPS") receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

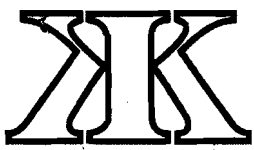
The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for New Jersey, but also for the United States as a whole. The members of the New Jersey Society of Professional Land Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,

Matthew L. Martini, P.L.S., P.P.



CONSULTING ENGINEERS • SURVEYORS • PLANNERS • LANDSCAPE ARCHITECTS

11-109

Keller & Kirkpatrick, Inc.

Robert C. Kirkpatrick, P.E., L.S., P.P., Founder
Matthew L. Martini, P.L.S., P.P., President

Robert E. Bratt, P.E., P.P.
Arthur J. Elias, P.E., P.P.
Edward J. Formichella, P.L.S., P.P.
George P. James, P.E., P.P.

Werner A. Mall, P.L.S.
Michael J. Manning, P.L.S., P.P.
James K. McCormick, P.L.S., P.P.
Timothy J. McDonald, P.L.S.

Donald A. Scott, Jr., P.E., P.P.
Paul M. Szmaida, C.L.A.
William E. Thomas, P.L.S., P.P.

July 19, 2011

Mr. Julius Genachowski, Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Received & Inspected

JUL 25 2011

FCC Mail Room

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in New Jersey, I must express serious concerns regarding the Federal Communications Commission ("FCC") granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System ("GPS") receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for New Jersey, but also for the United States as a whole. The members of the New Jersey Society of Professional Land Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,

James K. McCormick, P.L.S., P.P.



MICHAEL G. WILMES, L.S.
1752 SAYBROOK ROAD
P.O. BOX 14
HADDAM, CT 06438-0014
860-345-2713

11-109
Received & Inspected

JUL 25 2011
FCC Mail Room

July 19, 2011

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in the states of Connecticut, Rhode Island, Massachusetts, New Hampshire, Vermont, New York and New Jersey, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc.

No. of Copies 0
LSIABODE

AMERICAN

ENGINEERING & SURVEYING, Inc.

July 19, 2011

Mr. Julius Genachowski, Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Received & Inspected

JUL 25 2011

FCC Mail Room

Re: LightSquared, LLC, 4G-LTE wireless broadband network

Dear Chairman Genachowski:

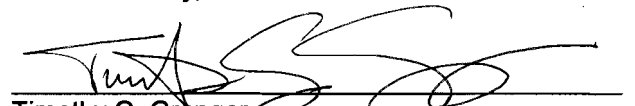
As a licensed Professional Land Surveyor in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

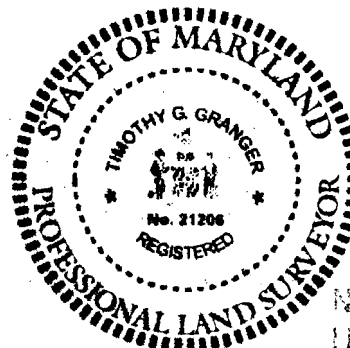
The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Maryland, but also for the United States as a whole. The members of the Maryland Society of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Yours sincerely,


Timothy G. Granger
Vice-President
Professional Land Surveyor, License Number 21206



No. of Copies rec'd 0
List A B C D E

224 EAST MAIN STREET - ELKTON - MD - 21921 - (410) 398-5000 tel - (410) 398-9615 fax

CIVIL ENGINEERING - LAND SURVEYING - SITE PLANNING - CONSULTING

Received & Inspected

JUL 25 2011

FCC Mail Room

AMERICAN

Engineering & Surveying, Inc.

July 20, 2011

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Chairman Genachowski:

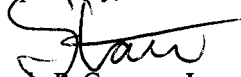
As a licensed Professional Land Surveyor in Delaware and Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology will likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Delaware, but also for the United States as a whole. The members of the Delaware and Maryland Association of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Respectfully,



Stanly P. Granger, Jr.
Prof Land Surveyor
224 East Main Street
Elkton, MD 21921
410.398.5000 tel
410.398.9615 fax
www.americanengineering.net
spgranger@juno.com

Consulting - Civil Engineering - Land Surveying - Site Planning
224 East Main Street
Elkton, MD 21921
410 398 5000 Tel - 410 398 9615 Fax

No. of Copies rec'd 0
List A B C D E

11-109



Land Surveyors
Construction Stakeout
Certified Minority Contractor

J. A. RICE, INC.

Received & Inspected
P.O. Box 1288
Petersville, MD 21108
410-987-4286
FAX 410-987-3633

JUL 25 2011

FCC Mail Room

July 19, 2011

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Maryland, but also for the United States as a whole. The members of the Maryland Society of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,
J.A. RICE, INC.

Malcolm R. Archer-Shee
Licensed Surveyor

No. of Copies 0
LEAD CODE

Edward Jones
1106 West Church St
Livingston, TX 77351
(936) 327-3323

Jack E. Haire
Financial Advisor

Received & Inspected
JUL 25 2011
Edward Jones
FCC Mail Room

July 18, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

Dear Federal Communications Commission:

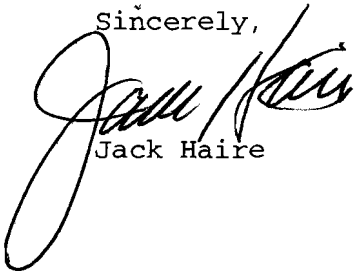
As you consider the conditional approval for LightSquared, I write to ask you to preserve the integrity of the nation's GPS system.

Last year, the federal government shut down the Loran navigation system, making recreational mariners solely reliant on GPS for all electronic navigation needs. Like so many other GPS users around the country, GPS is now integrated into our daily outings, and we look to the FCC to protect the integrity of the GPS signal.

In the June 30th report the navigation sub-team concluded "that all phases of the LightSquared deployment plan will result in widespread harmful interference to GPS signals and service and that mitigation is not possible."

Please do NOT approve the LightSquared broadband deployment.

Sincerely,



Jack Haire

No. of Copies rec'd 0
List A B C D E

11-109

July 19, 2011

Received & Inspected

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

JUL 25 2011

FCC Mail Room

Dear Chairman Genachowski:

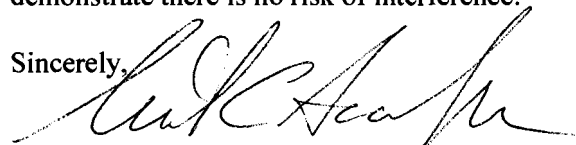
As a licensed Professional Land Surveyor in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Maryland, but also for the United States as a whole. The members of the Maryland Society of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,



Robert C. Buckley, Jr., L.S. (VA 1528, MD Property Line Surveyor 389)
Central Virginia Survey Manager

Rice Associates
308G Turner Road
Richmond, VA 23225
804.674.9723

No. of Copies rec'd 0
List A B C D E

Lane Engineering, LLC

Established 1986

Civil Engineers • Land Planning • Land Surveyors

15 Washington Street
Cambridge, Maryland 21613
Tel 410-221-0818
Fax 410-476-9942

117 Bay Street
P.O. Box 1767
Easton, Maryland 21601
Tel 410-822-8003
Fax 410-822-2024

354 Pennsylvania Avenue
Centreville, Maryland 21617
Tel 410-758-2095
Fax 410-758-4422

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Received & Inspected

JUL 25 2011

FCC Mail Room

Dear Chairman Genachowski:

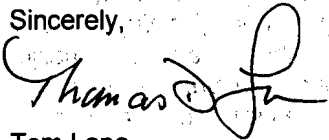
As a licensed Professional Land Surveyor in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Maryland, but also for the United States as a whole. The members of the Maryland Society of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,



Tom Lane
Registered Property Line Surveyor



www.laneengineering.com
mail@laneengineering.com

No. of Copies read 0
List A B C D E

Lane Engineering, LLC

Established 1986

Civil Engineers • Land Planning • Land Surveyors

15 Washington Street
Cambridge, Maryland 21613
Tel 410-221-0818
Fax 410-476-9942

117 Bay Street
P.O. Box 1767
Easton, Maryland 21601
Tel 410-822-8003
Fax 410-822-2024

354 Pennsylvania Avenue
Centreville, Maryland 21617
Tel 410-758-2095
Fax 410-758-4422

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Received & Inspected

JUL 25 2011

FCC Mail Room

Dear Chairman Genachowski:

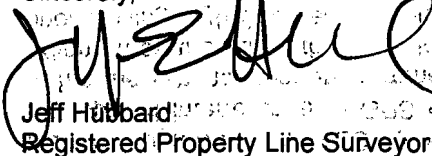
As a licensed Professional Land Surveyor in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.


The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

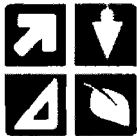
High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Maryland, but also for the United States as a whole. The members of the Maryland Society of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,


Jeff Hubbard
Registered Professional Land Surveyor


www.laneengineering.com
mail@laneengineering.com



JUL 25 2011

FCC Mail Room

ESTABLISHED 1945

July 19, 2011

Mr. Julius Genachowski
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially be used as a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Maryland, but also for the United States as a whole. The members of the Maryland Society of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,

Brian Baillargeon, L.S.

CIVIL ENGINEERS
LAND SURVEYORS
PLANNERS
LANDSCAPE ARCHITECTS
ARBORISTS

207 PARK AVENUE
FALLS CHURCH, VA 22046
PHONE: (703) 532-6163
FAX: (703) 533-1301
www.WLPINC.COM

No. of Copies

1st ABCDE



Partners in Healing

OF MINNEAPOLIS

A CENTER FOR HOLISTIC HEALTH

Received & Inspected
JUL 25 2011
FCC Mail Room

July 14, 2011

Ms. Marlene Dortch, Secretary
Federal Communications Commission
445 12th Street, SW
Washington, D.C. 20554

Re: Comment Deadlines Established Regarding the LightSquared Technical Working Group
Report, IB Docket No. 11-109

Dear Ms. Dortch:

I am writing as a health care professional to ask the Commission's help to bring reliable broadband Internet and cell phone coverage to rural communities.

Recently I was in Grand Marais, Minnesota, which is about 110 miles northeast of Duluth on the shore of Lake Superior, for a long weekend with friends. Grand Marais is a popular summer vacation spot that attracts many residents from the Twin Cities. During the course of the weekend I needed to contact several patients and I was unable to do so for four days. I was also unable to check in on my daughter, who suffers from epilepsy. I did not like this, especially when there is an option available to provide cell coverage in isolated areas like Grand Marais.

I understand that the Commission is currently reviewing an application by LightSquared to turn on a nationwide satellite network that will address this lack of access. This is good news, since the complete lack of cell coverage is a problem for health care professionals who need to maintain contact with their patients while visiting vacation spots.

I encourage the Commission to move without delay to expand cell and wireless Broadband coverage in rural America by approving LightSquared's application.

Sincerely,

Deborah S. Simmons, PhD, LMFT

10201 Wayzata Boulevard, Suite 350 • Minnetonka, MN 55305

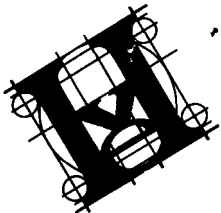
phone: 763.546.5797 • fax: 763.546.5754

www.pih-mpls.com • info@pih-mpls.com

10/10 Copies rec'd

USIA CODE

0



HOPEWELL VALLEY
ENGINEERING, PC

July 20, 2011

Mr. Julius Genachowski, Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Received & Inspected

JUL 25 2011

FCC Mail Room

Dear Mr. Genachowski,

I wanted to share my concerns about the approval being granted to LightSquared, LLC to build a 4G-LTE wireless broadband network.

As a licensed land surveyor in New Jersey, Pennsylvania and Delaware, I have serious concerns about the negative impact this will have on my ability to function with survey grade GPS. It appears this new network will generate interference with GPS signals, and impede and possibly prevent the use of GPS as we now use it. Please do not allow this to happen.

I've attached a copy of a letter received from NJSPLS, which provides greater detail of the impact of this. My letter is intended to provide some insight of the real time, practical problems and implications this program will create in the practice of my profession.

Surveyors have historically used points found on the ground, known as monuments. These reference points guide us in the determination of property line locations, elevation benchmarks and coordinates. Many of these are often disturbed, or lost to construction activities and not replaced.

With GPS satellites, these are now "monuments in the sky", which we use every day in determining locations and elevations for everything from boundary & topographic surveying, flood elevation determinations and other related activities. These are utilized not only for our benefit, but for the direct benefit of the people we serve.

I hope I have provided you with an overview of the negative impact we anticipate if this program proceeds. Please consider these as you move forward in deliberating this situation.

Very truly yours,

Donald H. Kamp, PLS, PP, CP

cc: NJSPLS

MAILING ADDRESS:
P.O. Box 710
PENNINGTON, NJ 08534-0710

TEL: 609-745-5800
FAX: 609-745-5807

STREET ADDRESS:
1600 REED ROAD, SUITE A
PENNINGTON, NJ 08534-5002

No. of Copies rec'd 0
LSIABODE

SAMPLE NJSPLS LETTER TO FCC:

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in New Jersey, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for New Jersey, but also for the United States as a whole. The members of the New Jersey Society of Professional Land Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,

Thomas L. Yager & Associates

Civil Engineers - Land Surveyors - Planners

11-109



10 Gray Rock Road
Clinton, New Jersey 08809
(908) 735-9508
(908) 735-4547 FAX

Received & Inspected

July 20, 2011

JUL 25 2011

FCC Mail Room

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Mr. Genachowski:

RE: LIGHTSQUARED, LLC PROPOSAL
FCC FILE SAT-MOD-20101118-00239

I have written to Senators Lautenberg and Menendez, who represent the New Jersey district in which I have lived for the past forty (40) years. My concern then, and even more so now, is LightSquared, LLC, proposal to build a nationwide 4G-LTE wireless broadband network.

As you know, there has been a LOT of money spent by LightSquared (LS) for research and development of their proposed network. I am aware they have satisfied some factions that were opposed to the network and the construction of 40,000 land-based broadcast stations.

It is unfortunate that LS may get the approval to construct their network at the expense of others. The others being land surveyors and users of high precision GPS receivers and equipment. I am in favor of technology when it is a replacement or improvement to a piece of equipment or method of operation. Presently the network, as proposed, will render GPS equipment useless or unreliable when survey fieldwork is being completed near one of the broadcast stations or a mobile phone.

I am a land surveyor who has purchased high precision receivers to complete projects for private, municipal, county, and state agencies. Today a surveyor must use GPS equipment to not only create maps for clients, but also for construction stakeout, wetlands delineation, environmental investigations, geodetic control for Geographic Information Systems (GIS), forensic surveying, etc. My point being, the GPS survey method and equipment is not antiquated and should not be pushed aside to benefit others when so many individuals depend on the existing GPS survey practice.

No. of Copies rec'd _____
LSIABODE

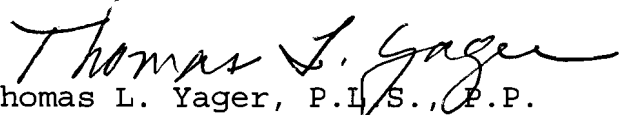
0

Mr. Julius Genachowski
Page 2
July 20, 2011

Fellow professionals and GPS manufacturers, as well as myself, have spent millions or possibly billions of dollars to own and perfect the use this equipment. To use this equipment in an "unreliable" condition caused by the LS network is an injustice to the Professional Land Surveyors in the United States of America.

Please reject the LightSquared LLC application and the present proposal until such time as they prove there will be no interference to GPS equipment that has been around longer than their proposed network. I trust you and your committees will make the right decision to protect a profession that goes back to Presidents Washington, Lincoln, and Jefferson.

Very truly yours,

A handwritten signature in black ink, reading "Thomas L. Yager". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Thomas L. Yager, P.L.S., P.P.
NJ and PA Professional Land Surveyor

TLY/jwy
cc: NJSPLS

Received & Inspected

11-109

JUL 25 2011

FCC Mail Room

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in Delaware, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Delaware, but also for the United States as a whole. The members of the Delaware Association of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

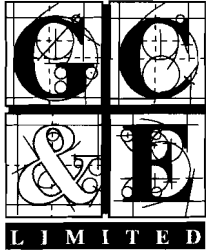
Sincerely,



H. Scott Peterson, PLS

No. of Copies rec'd _____
List A B C D E

0



Gerhold, Cross & Etzel, Ltd.

Registered Professional Land Surveyors • Established 1906

Suite 100 • 320 East Towson Town Boulevard • Towson, Maryland 21286
Phone: (410) 823-4470 • Fax: (410) 823-4473 • www.gcelimited.com

Received & Inspected

JUL 25 2011

FCC Mail Room

11-109

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

No. of Copies 1

USA BODE

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Maryland, but also for the United States as a whole. The members of the Maryland Society of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ed DeIaco-Lohr', written over the printed name.

Edward F. DeIaco-Lohr
Principal,
Gerhold Cross & Etzel, Ltd.